

FIG. 1

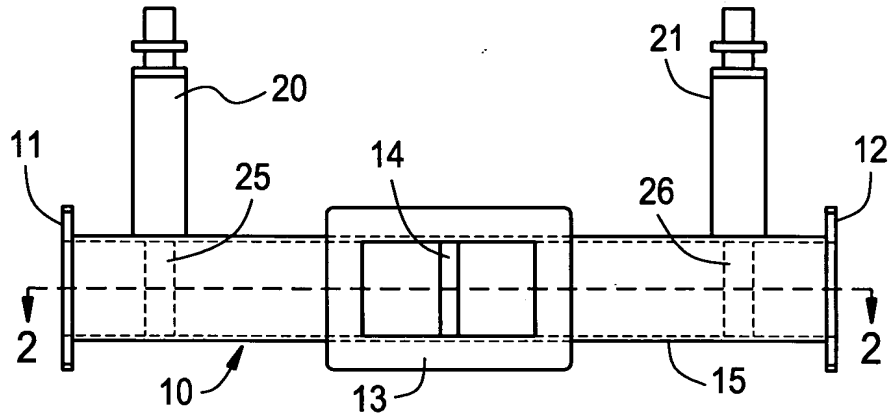


FIG. 2

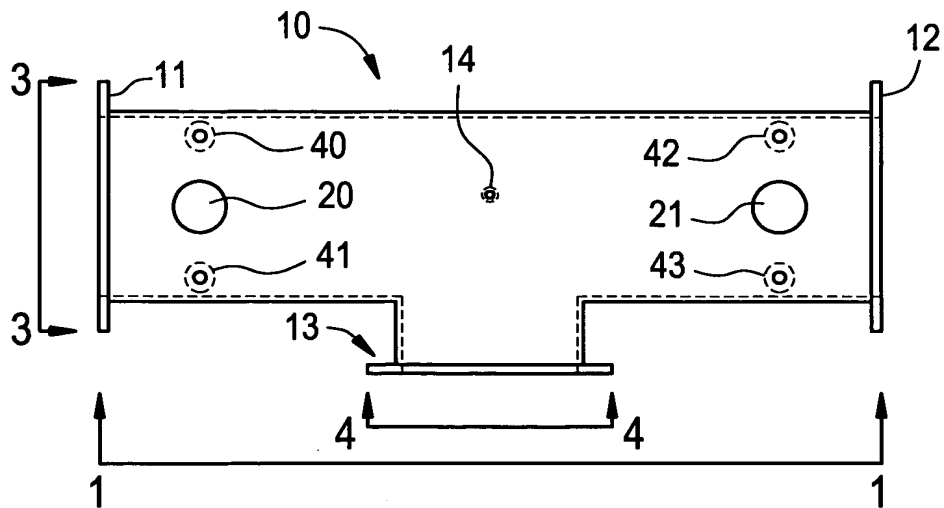


FIG. 3

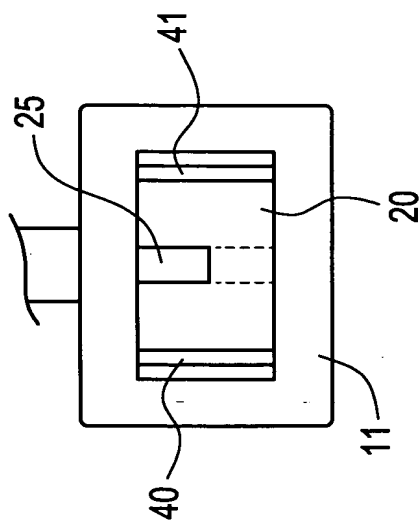


FIG. 4

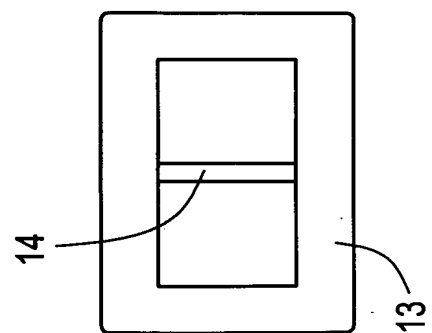


FIG. 5

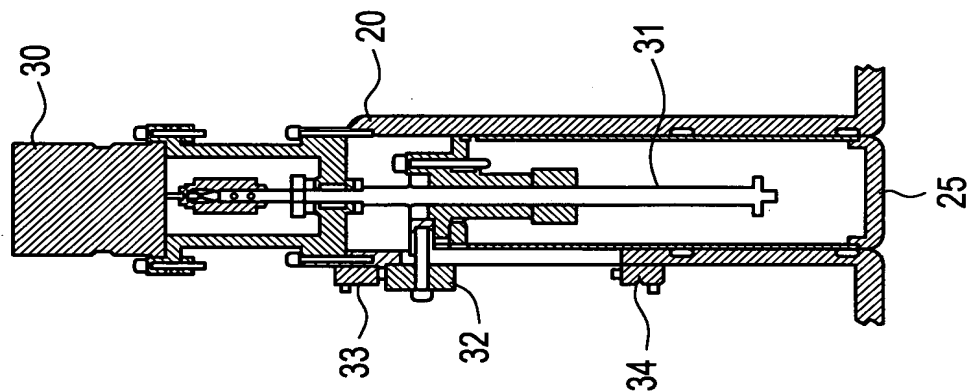
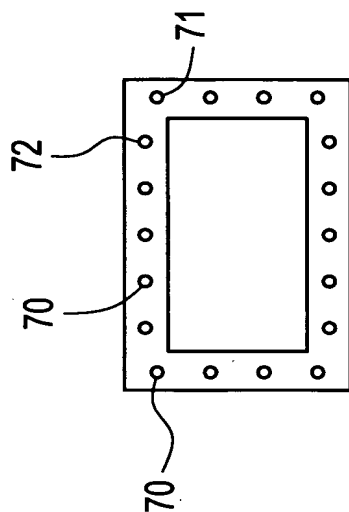


FIG. 9

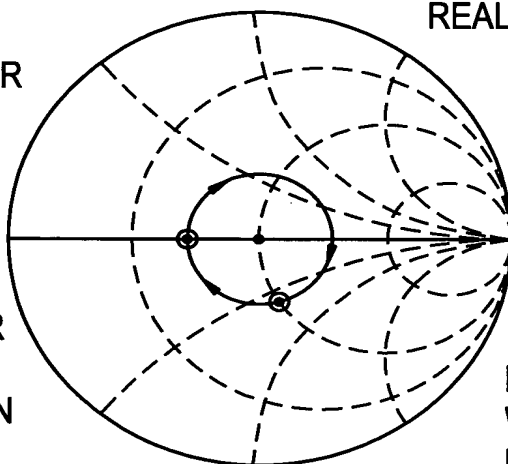


3/4

**FIG. 6**

ROTATE TOWARD THE CENTER  
OF DIVIDER THROUGH A  
LENGTH THAT RESULTS IN ALL  
REAL IMPEDANCE AT CENTER

AFTER ROTATING  
TOWARD THE CENTER  
OF DIVIDER FROM  
PROBE, THROUGH  
ABOUT  $5/8$  GUIDE  
WAVELENGTH.  
IMPEDANCE AT  
ELECTRICAL CENTER  
IS NEARLY PURE  
REAL AND LESS THAN  
CHARACTERISTIC  
IMPEDANCE

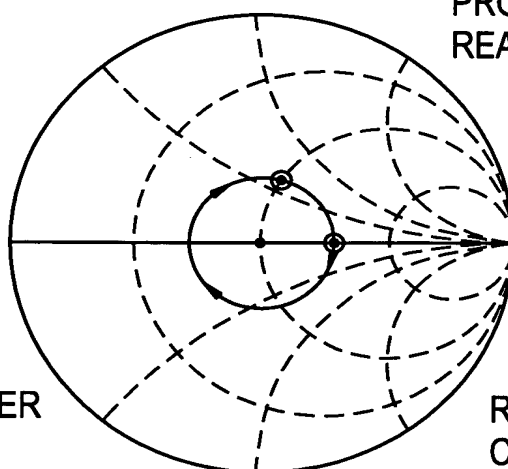


PROBE INSERTED INTO  
WAVEGUIDE TO  
PRODUCE NET  
CAPACITIVE REACTANCE

**FIG. 7**

PROBE WITHDRAWN TO  
PRODUCE A NET INDUCTIVE  
REACTANCE AT PROBE

AFTER ROTATING  
TOWARD THE CENTER  
OF DIVIDER FROM  
PROBE, THROUGH  
ABOUT  $5/8$  GUIDE  
WAVELENGTH,  
IMPEDANCE AT CENTER  
IS NEARLY PURE REAL  
AND HIGHER THAN  
CHARACTERISTIC  
IMPEDANCE



ROTATE TOWARD THE  
CENTER OF ELECTRICAL  
CENTER OF THE  
INVENTION THROUGH A  
LENGTH THAT RESULTS IN  
ALL REAL IMPEDANCE AT  
THE NETWORK CENTER

FIG. 8

